APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900077-2

Mechanism of the Formation of Secondary Amines by Catalytic Hydrogenation of Adiponitrile, by L.Kh. Freidlin, T.A. Sladkova.
RUSSIAN, per Vysokomolek. Soedin, 1962, pp 229-232
GB 39 Dyes LT 2451

Sci -
Aug 67 338-398

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900077-2

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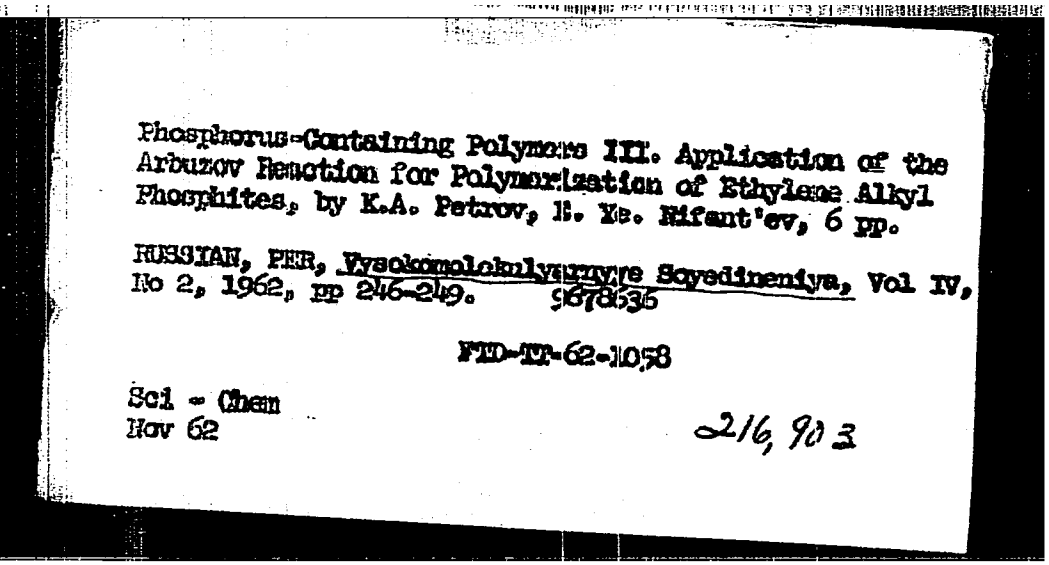

Phosphorus-Containing Polymers III. Application of the Arbuzov Reaction for Polymerization of Ethylene Alkyl Phosphites, by K.A. Petrov, B. Ye. Mifant'ev, 6 pp.

RUSSIAN, PER, Vysokomolekulyarnyye Soyedineniya, Vol IV, No 2, 1962, pp 246-249. 9678635

FTD-TT-62-1058

Sci - Chem
Nov 62

216,903

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900077-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900077-2

POLYORGANOTITANOSILOXANES II. THE COHYDROLYSIS REACTION OF BIS - (ACETYLACETONATE)DICHLORO-TITANIUM WITH ALKYL(ARYL)TRICHLOROSILANES, BY K. A. ANDRIANOV, SH. V. PICHKADZE, 7 PP.

RUSSIAN, PER, VYSOKOMOLEKULYARNYYE SOYEDINENIYA, VOL IV, NO 2, 1962, PP 256-260.

JPRS 16345

SCI - NUCLEAR PHYS

DEC 62

217,121

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900077-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900077-2

Tarutina, L. I. and Dunaevskaya, Ts. S.
SPECTROSCOPIC INVESTIGATION OF STRUCTURAL CHANGES ACCOMPANYING THE THERMAL AGING OF POLY(TRIFLUROCHLOROETHYLENE). [1962] (p.
Order from ATS $9.75 ATS-44P65R

Trans. of Vysokomolekul[yarnye] Soedin[eniya] (USSR) 1962, v. 4, no. 2, p. 276-281.

DESCRIPTORS: *Polyethylene plastics, Fluorides, Chlorides, Heat treatment, Aging, Molecular structure, Spectrographic analysis

(Materials--Plastics, TT, v. 9, no. 5)

63-12448

I. Tarutina, L. I.
II. Dunaevskaya, Ts. S.
III. ATS-44P65R
IV. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900077-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900077-2

Voyutskii, S. S., Gul', V. E. and others.
ADHESION OF VARIOUS ELASTOMERS. Pt. 1 of Adhesion of Polymers to Silicate Glass. [1962] [10]p. 27 refs.
Order from OTS or SLA $1.10 62-20432

Trans. of Vysokomolekulyarnye Soedineniya (USSR) 1962, v. 4, no. 2, p. 285-293.

DESCRIPTORS: *Elastomers, *Adhesion, Polymers, Silicates, Glass.

For cases where interpenetration of adhesive and substrate molecules is without a doubt, it was shown that adhesion of elastomers to silicate glass depends on time and contact temperature in the same way as adhesion of elastomer to the polymeric substrate. It was determined that all the factors, which are favorable to diffusion increase, are also favorable to the elastomer (Materials--Adhesives, TT, v. 9, no. 7) (over)

62-20432

I. Voyutskii, S. S.
II. Gul', V. E.
III. Title: Adhesion ...

OTS or SLA
$3.60
(36 pp.) 63-14068

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900077-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900077-2

Gul, V. E., In-si, C. and others.
RUPTURE OF THE ADHESIVE BOND IN THE SEPARATION OF ELASTOMER-GLASS JOINTS.
Pt. 2 of Adhesion of Polymers to Silicate Glass.
[1962] 5p.
Order from ATS $7.50 ATS-46P63R

Trans. of Vysokomolekul[yarnye] Soedin[eniya] (USSR) 1962, v. 4, no. 2, p. 294-298.

DESCRIPTORS: *Bonded joints, *Glass, *Rubber adhesives, *Elastomers, Separation, *Adhesion, Rupture, *Polymers, *Silicates, Glass seals.

(Materials--Adhesives, TT, v. 8, no. 11)

62-34191

I. Gul', V. E.
II. In-si, C.
III. Title: Adhesion ...
IV. ATS-46P63R
V. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900077-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900077-2

Rado, R., Shimunkova, D., and Malyak, L.
DEGRADATION AND CHAIN BUILDING OF POLYPROPYLENE UNDER THE INFLUENCE OF PEROXIDES. [1962] [20]p. 8 refs.
Order from OTS or SLA $1.60 63-10784

Trans. of Vysokomolek[ulyarnye] Soed[ineniya] (USSR) 1962, v. 4, no. 2, p. 304-311.

DESCRIPTORS: *Polyethylene plastics, *Propenes, Polymers, Degradation, Polymerization, Chain reactions, Reaction kinetics, *Peroxides, Chemical bonds, Molecular weight, Molecular isomerism.

Both in the case of polyethylene and polyisobutylene and in the case of polypropylene, monomolecular decomposition of peroxide is accompanied by a chain reaction with induced decomposition of the second order. From evaluation of the double bond content in the polymer, as well as from the kinetics of decomposition of the
(Materials--Plastics, TT, v. 10, no. 1) m(over)

63-10784

I. Rado, R.
II. Shimunkova, D.
III. Malyak, L.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900077-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900077-2

Structural Transformations in Fibriller Proteins, by Z. A. Kapralova.
RUSSIAN, per, Vysokomolekuyarnie Soedineniya, Vol 4, No 3, 1962, pp 321-326.
*NTIS TT 72-51148

Jan3

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900077-2

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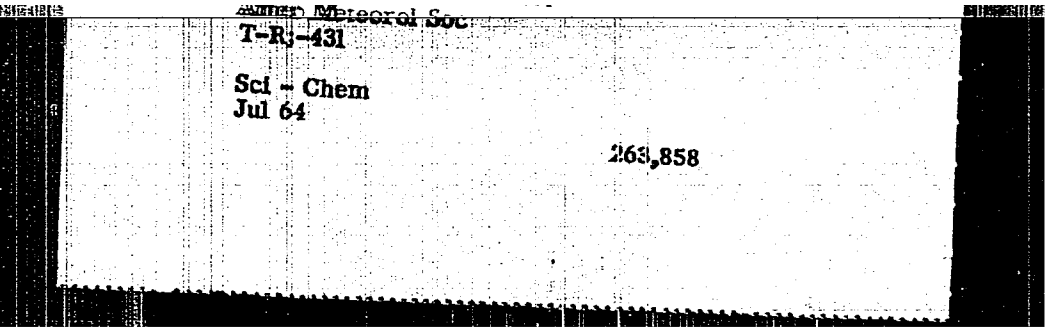

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900077-2

Minsker, K. S., Kronman, A. G. and others.
STEREOSPECIFIC HOMOGENEOUS POLYMERIZATION OF VINYL CHLORIDE. [1962] 7p.
Order from ATS $9.75 ATS-29P63R

Trans. of Vysokomolek[ulyarnye] Soedin[eniya] (USSR) 1962, v. 4, no. 3, p. 383-388.

DESCRIPTORS: *Stereochemistry, *Vinyl chlorides, *Polymerization, Chlorides, Vinyl radicals.

(Chemistry--Organic, TT, v. 9, no. 2)

62-34262

I. Minsker, K. S.
II. Kronman, A. G.
III. ATS-29P63R
IV. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900077-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900077-2

Studies in the Field of Polymer Synthesis. IV. Synthesis of Copolyamides from Xylylene Diamines, Hexamethylene Diamine and Adipic Acid, by S. R. Rafikov, et al.

RUSSIAN, per, Vysokomolekulyarnye Soyedineniya, Vol IV, No 3, 1962, pp 411-418.

MLI M 10013

Sci - Phys Chem
May 63

229,341

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900077-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900077-2

Rodionova, E. F., Kolesnikov, G. S. and others. POLYMERIZATION AND COPOLYMERIZATION OF DIPHENYL VINYLPHOSPHONATE. Pt. 37 of Carbon-Chain Polymers and Copolymers. [1962] 5p. Order from ATS $6.00 ATS-46P61R

Trans. of Vysokomolekulyarnye Soedineniya (USSR) 1962, v. 4, no. 3, p. 448-451.

DESCRIPTORS: *Polymerization, *Copolymerization, *Diphenyl, *Vinyl radicals, Phosphonium radicals.

(Chemistry--Organic, TT, v. 8, no. 5)

62-17714

I. Rodionova, E. F.
II. Kolesnikov, G. S.
III. Title: Carbon...
IV. ATS-46P61R
V. Associated Technical Services, Inc., East Orange, N. J.

ATS-RJ-3586

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900077-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900077-2

A Study of Conformational Changes in Macromolecules in Solutions. III. Conformational Changes in 2-Vinylpyridine-Methacrylic Acid Copolymer, by I. T. Slyusarov, S. S. Urazovskiy, 9 pp.

RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya, No 4, 1962, pp 481-485. 9680151

FTD-TT-62-1572

Sci-Chem
Apr 63

226,689

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900077-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900077-2

Sazhin, B. I, and Eidelnant, M. P.
[STUDIES] OF ELECTROCONDUCTIVITY OF POLYMERS. V. POLYCARBONATE, POLYETHYLENETERPHTHALATE, MIXED POLYESTER AND POLYOXYMETHYLENE. [1963] 19p. 21 refs. Order from OTS or SLA $1.60 63-18740

Trans. of Vysokomolekulyarnye Soedineniya (USSR) 1962, v. 4, no. 4, p. 583-590.

DESCRIPTORS: Polymers, *Electrical conductance, *Polyester plastics, *Acetal plastics, *Carbonates, *Ethylenes, Glycols, *Phthalates, *Sebacic acid, Formaldehyde, Temperature, Loading (Mechanics), Polarization, Crystallization.

The results are described of the experimental determination of the resistivity of polycarbonate, polyethyleneterephthalate, mixed polyester of terephthalic and (Materials--Plastics, TT, v. 10, no. 12) (over)

63-18740

1. Title: Paraformaldehyde
2. Title: Polycarbonates
3. Title: Polyethylene terephthalate

I. Sazhin, B. I.
II. Eidelnant, M. P.
III. Title: Polycarbonate ...

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900077-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900077-2

Kargin, V. A., Sogolova, T. I., and Metel'skaya, T. K.
THE EFFECT OF ANISODIAMETRIC FILLER PARTICLES ON THE PROPERTIES OF POLYMERS, I. [1963] [9p] 8refs
Order from OTS or SLA $1.10 63-20065

Trans. of Vysokomolekulyarnye Soedineniya (USSR) 1962, v. 4 [no. 4] p. 601-604.

DESCRIPTORS: *Fibers (Synthetic), *Dacron, *Polyester plastics, *Polyethylene plastics, *Butenes, *Fillers, Physical properties, Particle size.

As a result of the investigations it became evident that the addition of anisodiametric particles to the polymer in the absence of chemical reactions, has an important effect on the mechanical properties of the polymer even at relatively low filler concentrations. It is safe to say that the increase in the strength, modulus 50, and flow
(Materials--Textiles, TT, v. 10, no. 11) (over)

63-20065

I. Kargin, V. A.
II. Sogolova, T. I.
III. Metel'skaya, T. K.

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900077-2

Theory of Helix-Coil Transitions in Biopolymers, The Helix-Coil Transitions in Polypeptide Chains Under Load, by T. Birshtein.
RUSSIAN, per, Vysokomolekulyarnye Soedliniya, Vol 4, No 4, 1962, pp 12-605 - 612
CSIRO/No 6899

Sci -
Jul 67 335,001

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900077-2

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300900077-2

POLYMER SCIENCE USSR, 1963, VOL. 4, NO. 2, P. 207-396. July 63, 1v
Order from PP $140.00/year

Trans. of Vysokomolekulyarnye Soedineniya (USSR) 1962, v. 4, no. 5, p. 642-654, 662-669, ##678-682, 704-707, 769-782; no. 6, p. 843-847, 860-868, ##885-888, 907-916, 944-947; no. 7, p. 972-981, 1000-1004, 1027-1032, ##1060-1063, 1098-1102, 1124; no. 8, p. 1137-1144, 1151-1154, ##1155-1162, 1163-1171, ##1178-1185, 1197-1203, 1223-1234. Abstracts are included of selected articles from v. 4, no. 10.
##Other translations are available elsewhere.

DESCRIPTORS: *Polymers, Chemistry, *Plastics, *Fillers, *Carbon black, *Metalorganic compounds, Iron compounds, *Silicones, *Polyvinyl alcohol, *Acetal plastics, *Polyester plastics, *Styrene (Chemistry--Organic, TT, v. 10, no. 10) (over)

63-22211-2

I. Pergamon Press, Inc., New York

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